#7

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,742

DATE: 08/17/2001
TIME: 12:04:27

Input Set : A:\0399.1192-008 SEQLIST.TXT
Output Set: N:\CRF3\08162001\I746742.raw

ENTERED

P.5

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 4 <110> APPLICANT: Eckert, Deborah M.
 5       Chan, David C.
 6       Malashkevich, Vladimir
 7       Carr, Peter A.
 8       Kim, Peter S.
10 <120> TITLE OF INVENTION: Inhibitors of HIV Membrane Fusion
13 <130> FILE REFERENCE: 0399.1192-008
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/746,742
16 <141> CURRENT FILING DATE: 2000-12-21
18 <150> PRIOR APPLICATION NUMBER: PCT/US99/17351
19 <151> PRIOR FILING DATE: 1999-07-30
21 <150> PRIOR APPLICATION NUMBER: US 60/043,280
22 <151> PRIOR FILING DATE: 1997-04-17
24 <150> PRIOR APPLICATION NUMBER: US 09/062,241
25 <151> PRIOR FILING DATE: 1998-04-17
27 <150> PRIOR APPLICATION NUMBER: US 60/094,676
28 <151> PRIOR FILING DATE: 1998-07-30
30 <150> PRIOR APPLICATION NUMBER: US 60/100,265
31 <151> PRIOR FILING DATE: 1998-09-14
33 <150> PRIOR APPLICATION NUMBER: US 60/101,058
34 <151> PRIOR FILING DATE: 1998-09-18
36 <150> PRIOR APPLICATION NUMBER: US 60/132,295
37 <151> PRIOR FILING DATE: 1999-05-03
39 <160> NUMBER OF SEQ ID NOS: 68
41 <170> SOFTWARE: FastSEQ for Windows Version 4.0
43 <210> SEQ ID NO: 1
44 <211> LENGTH: 33
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: GCN4-PIQI
52 <400> SEQUENCE: 1
53 Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Leu Ser Lys Gln
54  1               5                  10                  15
55 Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu
56             20                  25                  30
57 Arg
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 45
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: IQN17
69 <400> SEQUENCE: 2
70 Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Glu Ser Lys Gln
71  1               5                  10                  15
72 Lys Lys Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Leu Gln Leu
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                    20                  25                  30
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
                35                  40                  45
<210> SEQ ID NO: 3
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: D-peptide
<400> SEQUENCE: 3
Cys Asp Leu Lys Ala Lys Glu Trp Phe Trp Leu Cys
 1               5                  10
<210> SEQ ID NO: 4
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: D-peptide
<400> SEQUENCE: 4
Cys Glu Ala Arg His Arg Glu Trp Ala Trp Leu Cys
 1               5                  10
<210> SEQ ID NO: 5
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: D-peptide
<400> SEQUENCE: 5
Cys Glu Leu Leu Gly Trp Glu Trp Ala Trp Leu Cys
 1               5                  10
<210> SEQ ID NO: 6
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: D-peptide
<400> SEQUENCE: 6
Cys Leu Leu Arg Ala Pro Glu Trp Gly Trp Leu Cys
 1               5                  10
<210> SEQ ID NO: 7
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: D-peptide
<400> SEQUENCE: 7
Cys Ser Arg Ser Gln Pro Glu Trp Glu Trp Leu Cys
 1               5                  10
<210> SEQ ID NO: 8
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,742

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Input Set : A:\0399.1192-008 SEQLIST.TXT
Output Set: N:\CRF3\08162001\I746742.raw

149 <211> LENGTH: 12
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: D-peptide
157 <400> SEQUENCE: 8
158 Cys Gly Leu Gly Gln Glu Glu Trp Phe Trp Leu Cys
159 1 5 10
162 <210> SEQ ID NO: 9
163 <211> LENGTH: 12
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: D-peptide
171 <400> SEQUENCE: 9
172 Cys Met Arg Gly Glu Trp Glu Trp Ser Trp Leu Cys
173 1 5 10
176 <210> SEQ ID NO: 10
177 <211> LENGTH: 12
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: D-peptide
185 <400> SEQUENCE: 10
186 Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp Leu Cys
187 1 5 10
190 <210> SEQ ID NO: 11
191 <211> LENGTH: 12
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: D-peptide
199 <400> SEQUENCE: 11
200 Cys Val Leu Lys Ala Lys Glu Trp Phe Trp Leu Cys
201 1 5 10
204 <210> SEQ ID NO: 12
205 <211> LENGTH: 11
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: D-peptide
213 <221> NAME/KEY: VARIANT
214 <222> LOCATION: (1)...(11) OK
215 <223> OTHER INFORMATION: Xaa = Any Amino Acid OK
217 <400> SEQUENCE: 12
W--> 218 Cys Xaa Xaa Xaa Xaa Xaa Glu Trp Xaa Trp Leu
219 1 5 10
222 <210> SEQ ID NO: 13
223 <211> LENGTH: 35

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,742

DATE: 08/17/2001
TIME: 12:04:27

Input Set : A:\0399.1192-008 SEQLIST.TXT
Output Set: N:\CRF3\08162001\I746742.raw

224 <212> TYPE: PRT
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: N36
231 <400> SEQUENCE: 13
232 Ser Gly Ile Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Gln
233 1 5 10 15
234 Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala
235 20 25 30
236 Arg Ile Leu
237 35
240 <210> SEQ ID NO: 14
241 <211> LENGTH: 34
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: C34
249 <400> SEQUENCE: 14
250 Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His
251 1 5 10 15
252 Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu
253 20 25 30
254 Leu Leu
258 <210> SEQ ID NO: 15
259 <211> LENGTH: 16
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: D-peptide
267 <400> SEQUENCE: 15
268 Lys Lys Gly Ala Cys Gly Leu Gly Gln Glu Glu Trp Phe Trp Leu Cys
269 1 5 10 15
272 <210> SEQ ID NO: 16
273 <211> LENGTH: 16
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: D-peptide
281 <400> SEQUENCE: 16
282 Lys Lys Gly Ala Cys Glu Leu Leu Gly Trp Glu Trp Ala Trp Leu Cys
283 1 5 10 15
286 <210> SEQ ID NO: 17
287 <211> LENGTH: 18
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: D-peptide
295 <400> SEQUENCE: 17
296 Lys Lys Lys Lys Gly Ala Cys Glu Leu Leu Gly Trp Glu Trp Ala Trp

297 1 5 10 15
298 Leu Cys
302 <210> SEQ ID NO: 18
303 <211> LENGTH: 16
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: D-peptide
311 <400> SEQUENCE: 18
312 Lys Lys Gly Ala Cys Met Arg Gly Glu Trp Glu Trp Ser Trp Leu Cys
313 1 5 10 15
316 <210> SEQ ID NO: 19
317 <211> LENGTH: 18
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: D-peptide
325 <400> SEQUENCE: 19
326 Lys Lys Gly Ala Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp Leu Cys
327 1 5 10 15
328 Ala Ala
332 <210> SEQ ID NO: 20
333 <211> LENGTH: 17
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: HIV-1 Residues
341 <400> SEQUENCE: 20
342 Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile
343 1 5 10 15
344 Leu
348 <210> SEQ ID NO: 21
349 <211> LENGTH: 24
350 <212> TYPE: PRT
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: 24 Residues from the N- Terminal End of N26
357 <400> SEQUENCE: 21
358 Ser Gly Ile Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala
359 1 5 10 15
360 Gln Gln His Leu Leu Gln Leu Thr
361 20
364 <210> SEQ ID NO: 22
365 <211> LENGTH: 55
366 <212> TYPE: PRT
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: IQN24n
373 <400> SEQUENCE: 22

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 08/17/2001
PATENT APPLICATION: **US/09/746,742** TIME: 12:04:28

Input Set : **A:\0399.1192-008 SEQLIST.TXT**
Output Set: **N:\CRF3\08162001\I746742.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63